

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	liquid phase microextraction	US-PGPUB; USPAT	ADJ	ON	2007/05/01 12:28
S2	1	"20040171169"	US-PGPUB; USPAT	ADJ	ON	2007/05/01 16:44
S3	1	"5169634".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/01 12:35
S4	2	pedersen-bjergaard stig.in.	US-PGPUB; USPAT	ADJ	ON	2007/05/01 12:55
S5	29	liquid NEAR5 microextraction	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:02
S6	11	S5 AND membrane	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:03
S7	48	liquid NEAR10 microextraction	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:10
S8	22	S7 AND membrane	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:03
S9	347	liquid AND microextraction	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:10
S10	159	S9 AND membrane	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:10
S11	11	S10 AND (fatty acid ester OR vegetable oil OR silicone oil OR nitroarylalkylether)	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:24
S12	1	"4844067".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:24
S13	248	liquid phase microextraction OR liquid phase extraction	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:59
S14	84	S13 AND membrane	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:59
S15	36	S14 AND oil	US-PGPUB; USPAT	ADJ	ON	2007/05/01 14:59
S16	4	S14 AND soya oil	US-PGPUB; USPAT	ADJ	ON	2007/05/01 15:00
S17	561	membrane AND soya oil	US-PGPUB; USPAT	ADJ	ON	2007/05/01 15:00
S18	13	membrane SAME soya oil	US-PGPUB; USPAT	ADJ	ON	2007/05/01 15:03
S19	271	membrane SAME (soya oil OR olive oil OR tea tree oil)	US-PGPUB; USPAT	ADJ	ON	2007/05/01 15:37
S20	1	membrane SAME nitroarylalkylether	US-PGPUB; USPAT	ADJ	ON	2007/05/01 15:38

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S21	0	membrane SAME nitroarylalkyl ADJ ether	US-PGPUB; USPAT	ADJ	ON	2007/05/01 15:38
S22	737	membrane SAME nitro AND ether	US-PGPUB; USPAT	ADJ	ON	2007/05/01 15:39
S23	19	membrane SAME (nitro NEAR5 ether)	US-PGPUB; USPAT	ADJ	ON	2007/05/01 15:40
S24	1	"20020040154"	US-PGPUB; USPAT	ADJ	ON	2007/05/01 15:40
S25	1	"3612283".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/01 16:30
S26	10	acceptor solution AND membrane AND analyte	US-PGPUB; USPAT	ADJ	ON	2007/05/01 16:47
S27	1	"4837157".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/01 17:07
S28	184	vegetable oil WITH membrane	US-PGPUB; USPAT	ADJ	ON	2007/05/01 17:08
S29	21	S28 AND hollow fiber	US-PGPUB; USPAT	ADJ	ON	2007/05/01 17:43
S30	185	porous polymeric substrate	US-PGPUB; USPAT	ADJ	ON	2007/05/01 17:21
S31	27	S30 AND (fatty acid ester OR vegetable oil OR silicone oil OR nitro arylalkylether)	US-PGPUB; USPAT	ADJ	ON	2007/05/01 17:24
S32	22	S31 AND membrane	US-PGPUB; USPAT	ADJ	ON	2007/05/01 17:24
S33	17	porous polymeric substrate AND (fatty acid ester OR vegetable oil OR silicone oil OR nitroarylalkylether) AND membrane AND hollow fiber	US-PGPUB; USPAT	ADJ	ON	2007/05/01 17:45
S34	1	porous polymeric substrate SAME (fatty acid ester OR vegetable oil OR silicone oil OR nitroarylalkylether) AND membrane AND hollow fiber	US-PGPUB; USPAT	ADJ	ON	2007/05/01 17:46
S35	6	porous polymeric substrate SAME (fatty acid ester OR vegetable oil OR silicone oil OR nitroarylalkylether)	US-PGPUB; USPAT	ADJ	ON	2007/05/01 17:50
S36	27	porous polymeric substrate AND (fatty acid ester OR vegetable oil OR silicone oil OR nitroarylalkylether)	US-PGPUB; USPAT	ADJ	ON	2007/05/01 17:53
S37	0	S27 AND hollow fiber	US-PGPUB; USPAT	ADJ	ON	2007/05/01 17:51

## EAST Search History

S38	52	porous polymeric substrate SAME hollow fiber SAME membrane	US-PGPUB; USPAT	ADJ	ON	2007/05/01 17:53
S39	17	S38 AND (fatty acid ester OR vegetable oil OR silicone oil OR nitroarylalkylether)	US-PGPUB; USPAT	ADJ	ON	2007/05/01 18:00
S40	8	surface modified porous membrane and process	US-PGPUB; USPAT	ADJ	ON	2007/05/02 09:15
S41	8	surface modified porous membrane and process	US-PGPUB; USPAT	ADJ	ON	2007/05/02 09:15
S42	7	S41 AND hollow fiber	US-PGPUB; USPAT	ADJ	ON	2007/05/02 09:19
S43	687	membrane AND hollow fiber AND acceptor	US-PGPUB; USPAT	ADJ	ON	2007/05/02 09:20
S44	74	porous polymeric substrate AND hollow fiber AND membrane	US-PGPUB; USPAT	ADJ	ON	2007/05/02 09:24
S45	12	S44 AND acceptor	US-PGPUB; USPAT	ADJ	ON	2007/05/02 09:21
S46	1	porous polymeric substrate AND (hollow fiber WITH acceptor) AND membrane	US-PGPUB; USPAT	ADJ	ON	2007/05/02 09:24
S47	8	(hollow fiber WITH acceptor) AND membrane	US-PGPUB; USPAT	ADJ	ON	2007/05/02 09:35
S48	17	(hollow fiber SAME acceptor) AND membrane	US-PGPUB; USPAT	ADJ	ON	2007/05/02 09:52
S49	1	"5418006".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/02 09:58
S50	12	porous polymeric substrate AND fatty acid ester AND membrane	US-PGPUB; USPAT	ADJ	ON	2007/05/02 09:59
S51	0	"4199765..pn"	US-PGPUB; USPAT	ADJ	ON	2007/05/07 16:41
S52	1	"4199765".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/07 16:41
S53	1	"7148060".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/07 16:41
S54	1	"4859535".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/07 16:41
S55	1	"4394372".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/07 16:42
S56	1	"5914038".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/07 16:42
S57	1	"6112908".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/07 16:47
S58	3181	analyte AND membrane AND acceptor	US-PGPUB; USPAT	ADJ	ON	2007/05/07 16:47

## EAST Search History

S59	40	S58 AND stir AND hollow fiber	US-PGPUB; USPAT	ADJ	ON	2007/05/07 16:48
S60	4	S59 AND polyolefin	US-PGPUB; USPAT	ADJ	ON	2007/05/07 16:50
S61	1	"20040171169".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/07 16:51
S62	4	micro ADJ extraction AND membrane AND carrier NEAR3 layer	US-PGPUB; USPAT	ADJ	ON	2007/05/08 08:06
S63	4	micro NEAR2 extraction AND membrane AND carrier NEAR3 layer	US-PGPUB; USPAT	ADJ	ON	2007/05/08 08:06
S64	82	micro NEAR2 extraction AND membrane AND carrier	US-PGPUB; USPAT	ADJ	ON	2007/05/08 08:10
S65	2	micro NEAR2 extraction AND membrane AND carrier AND TOPO	US-PGPUB; USPAT	ADJ	ON	2007/05/08 08:18
S66	1	"6354443".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/08 10:15
S67	40	analyte AND membrane AND acceptor AND stir AND hollow fiber	US-PGPUB; USPAT	ADJ	ON	2007/05/08 10:19
S68	0	"schafer.in" AND "5861097".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/08 10:19
S69	1	"5861097".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/08 10:19